

ABSTRACT

An action group arbitration system can include an action table and a search block having a first type memory portion and a second type memory portion is disclosed. The search block can provide a plurality of search results, each corresponding to a group number, in response to a search key. The action table may receive the search results and provide an action indication in response to each of the plurality of search results that contain a hit indication. The first type memory portion can include static random access memory (SRAM) and the second type memory portion can include ternary content addressable memory (TCAM). Further, the action table may be divided into portions corresponding to the group number.